Japanese Utility Model Laid-Open No. Hei 5-5138

[Title of the Invention]

Infusion Bag

[Abstract]

[Constitution]

A two-layer tape 40 as a weak seal portion 14 is provided which is sandwiched between bag main bodies 10, 10 formed from a polyolefin resin and is heat-sealed in a peelable manner. One of the two layers of the tape 40 is a resin layer 41 formed from the same resin as the resin used to form the main bodies 10, 10. The other of the two layers is a resin layer 42 formed from a blended resin obtained by blending the same resin as the resin of the main bodies 10, 10 with further polyolefin resin which is substantially not mutually fusible with the same resin. The weak seal portion 14 is formed with non-seal portions 43 and 44 which extend to the sides of medicinal liquid containing chambers 15 and 16 relative to the heat-sealed portion.

[Effect]

Since the blended resin layer 42 contains the further resin, it is easy to peel the weak seal portion

14 from the main body 10. Therefore, the main bodies 10, 10 would not be broken at the time of the peeling. Since the pressure of a medicinal liquid is liable to be exerted in the gaps between the non-seal portions 43, 44 and the main bodies 10, 10, the weak seal portion 14 can be easily peeled. A heat sealing treatment of peripheral portions 11 to 13 of the main bodies 10, 10 and a heat sealing treatment of the tape 40 can be performed at the same temperature.

[Scope of Claims for Utility Model Registration]

[Claim 1]

An infusion bag comprising a polyolefin resin-made bag main body having a peripheral portion heat-sealed, and medicinal liquid containing chambers formed in the main body so as to respectively contain different medicinal liquids, the medicinal liquid containing chambers being partitioned from each other by inside walls of the bag main body and a weak seal portion sandwiched between the inside walls and heat-sealed in a peelable manner,

wherein the weak seal portion is formed by heat-sealing a tape including a same resin layer composed of the same resin as the resin forming the bag main body (the polyolefin resin forming an innermost layer of the bag main body in the case where the bag main body is composed of a multi-layer body) and a blended resin layer composed of a blended resin obtained by blending the same polyolefin resin as the resin of the bag body with further polyolefin resin which is substantially not mutually fusible with the same resin, and the weak seal portion is provided at both end portions in a width direction thereof with non-seal portions extended to the sides of the medicinal liquid containing chambers

relative to the heat-sealed portion.

[Claim 2]

The infusion bag according to claim 1,

wherein the bag main body is composed of a monolayer body of a polyethylene resin or a multi-layer body having an innermost layer of a polyethylene resin,

that same polyolefin resin as the resin of the bag body which is used to form the blended resin layer is a polyethylene resin having a density of 0.92 to 0.96,

the further polyolefin resin used to form the blended resin layer is a polypropylene resin containing ethylene in an amount of 0 to 5 mol/mol%,

and the blending ratio of the polyethylene resin to the polypropylene resin in the blended resin layer is in the range of from 75:25 to 40:60 (by weight).

[Claim 3]

The infusion bag according to claim 1, wherein the thicknesses of the same resin layer and the blended resin layer are each set in the range of 20 to 100 μm so that the thickness of the tape as a whole is 40 to 150 μm.